



NITFS Compliance Registration



Product: Dissemination Element (DE) Version 4.2, Build 621, (ERS 10) **Date:** 23 December 2004

Sponsor: National Geospatial-Intelligence Agency (NGA)

Expiration: 23 December 2006

Registration #: 133

Developer: Lockheed Martin Management and Data Systems

- ☐ Initial Registration
☒ Supplemental/Update # 133
☐ Derived from Reg. #

☒ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

Complexity Level							
NITF 2.1 CLEVEL							
		3		5	6	7	
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

- Sun Client - E-450- Sun Solaris 2.6 [CLEVELs 1-6]
Image Formats: Full, IMP, Chips, 8/8 and 11/16 Bits

- Sun Server - E6000 - Sun Solaris 8 [CLEVELs 4-6]
Image Formats: Full, IMP, RRDS, 11/16 Bit

NITFS Features Implemented:

Format

NITF

- ☐ V2.1
☒ V2.0
☐ V1.1

NSIF

- ☐ V1.0

Pixel Value Types

- ☐ Boolean
☒ Integer
☐ Signed Integer *
☐ IEEE Real *
☐ IEEE Complex *

Annotation Segment Types

- ☐ Bit Mapped **
☐ CGM, 2301
☐ CGM, 2301A
☐ Labels **

Text Segments

- ☐ STA
☐ UT1
☐ U8S
☐ MTF

Image Segment Types

- ☒ MONO
☐ RGB
☐ RGB/LUT
☐ YCbCr
☐ MULTI
☐ NODISPLAY
☐ POLAR

Image Compression

- ☒ Not Compressed
☐ JPEG Lossy, 8-bit
☐ JPEG Lossy, 12-bit
☐ JPEG Downsampling
☐ JPEG Lossless
☐ JPEG 2000
☐ Bi-Level
☐ Vector Quantization
☐ Multispectral JPEG, Individual Band

Data Extension Segments

- ☐ TRE_OVERFLOW
☐ STREAMING_FILE_HEADER
☐ Controlled Extensions **
☐ Registered Extensions **

Tagged Record Extensions

- ☒ PIAE - PIAPRC
☒ National SDE - ALL
☐

NOTE: Version supports unaltered "pass through" of JPEG compressed and uncompressed NITF products.

- Legend
- Interpret
Generate
- ☒ Fully implemented
☒ Partially implemented
☐ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

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for the NITFS Test and Evaluation Program